

Pantograph slide-plate of composite carbon-copper material reinforced with continuous long carbon fiber

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Abstract of CN1265429

The pantograph slide plate is produced by using the copper plated composite powder, including graphite, coke, carbon black and other carbon material as well as metal powder, as base aggregate, and through the processes of mixing with thermosetting resin, pelletizing, cold pressing while adding long continuous carbon fiber as reinforcing agent, hot pressing or hot extrusion to form. The pantograph slide plate of the present invention has excellent comprehensive performance, including high shock resistance and high breaking strength as well as high wear resistance and excellent conducting property and thus meet the requirement of electric locomotive for high-speed railway and city track line.

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